

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference A 7723/ KK	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/EP2005/000044	International filing date (day/month/year) 05/01/2005	(Earliest) Priority Date (day/month/year) 05/01/2004
Applicant AIRBUS DEUTSCHLAND GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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International application No.

PCT/EP2005/000044

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The design and attachment of an insulation package according to an exemplary embodiment, which may be installed near the fuselage structure, is believed protect the cabin region of an aircraft against fire whose flames act on the insulation package from outside the aircraft environment, thus clearly facilitating evacuation of the passengers from the vehicle. The insulation package arrangement may comprise several fuselage insulation packages (19-22) of an elongated form. These packages may adjoin the aircraft fuselage structure in the direction of the longitudinal axis (9) of the aircraft. They may longitudinally adjoin a support surface (31a) of the stringers (31) which are attached to the aircraft fuselage, or longitudinally adjoin an inner area (33a) of a panel of outer skin and are attached to both longitudinal sides of the ribs (32). Furthermore those insulation packages (19-22) may be completely enclosed by a burn-through-proof foil (11) which is arranged in a space enclosed by interior paneling and by the panels of the outer skin. The design of a fuselage insulation package may be implemented with burn-through-proof insulation of a larger cross section and/or burn-through-proof barrier layer of a smaller cross section which are arranged within the fuselage insulation package either singly or in combination. In this arrangement, the insulation or the barrier layer extends near to or adjacent to an interior wall region of the foil wall. As an alternative only that insulation which on the longitudinal end of the fuselage insulation package continues outward with a flat insulation end section is attached outside of and adjacent to the foil (11)

circumference of the fuselage insulation package (19-22). Said end section of insulation is attached to a rib-attachment region which is arranged below the respective longitudinal sides of a rib (32) and near the stringer (31) by means of burn-through-proof attachment elements (4,13).

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International Application No

PCT/EP2005/000044

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B64C1/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B64C F16B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 358 591 B1 (SMITH SHERMAN S) 19 March 2002 (2002-03-19)	1,18-22
A	column 1, lines 5-11 column 6, line 26 - column 7, line 60 column 8, line 30 - column 9, line 47 figures 1-11	2-17
A	----- US 5 866 231 A (BODIN ET AL) 2 February 1999 (1999-02-02) column 1, line 43 - column 2, line 24 figure 1 -----	1-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

18 April 2005

Date of mailing of the international search report

29/04/2005

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Weber, C

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000044

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6358591	B1	19-03-2002	AT 289561 T	15-03-2005
			AU 7570800 A	28-12-2000
			CA 2375747 A1	14-12-2000
			DE 60018278 D1	31-03-2005
			EP 1187761 A1	20-03-2002
			WO 0075012 A1	14-12-2000
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US 5866231	A	02-02-1999	FR 2685756 A1	02-07-1993
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